

Application No. 10/779,836
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CLAIMS:

1. (Currently Amended) A micro-replicated shaving surface comprising:
a substrate;
a plurality of longitudinal micro-shaving elements projecting outwardly from a surface of said substrate, said micro-shaving elements being arranged in at least one row with each micro-shaving element being spaced away from and approximately parallel to the next successive micro-shaving element and arranged transverse to a direction of shaving; [[and]] wherein
each of said plurality of micro-shaving elements defines a cutting edge extending longitudinally thereof for cutting hair from a user's skin during a shaving operation; and
at least one longitudinal micro-shaving element defines a substantially triangular cross section having a leading surface inclined at an acute first rake angle; and
wherein said substrate and said plurality of micro-shaving surfaces are unitary and made from a first material.
2. (Original) A microreplicated shaving surface as defined by claim 1 wherein said substrate and said plurality of micro-shaving elements are metallic.
3. (Canceled)
4. (Canceled)
5. (Currently amended) A microreplicated shaving surface as defined by claim 1 wherein said longitudinal micro-shaving elements each further define a leading surface ~~inclined at a first rake angle and~~ a trailing surface inclined at a second rake angle.
6. (Original) A microreplicated shaving surface as defined by claim 5 wherein said first and second rake angles are different.
7. (Withdrawn) A microreplicated shaving surface as defined by claim 5 wherein said first and second rake angles are the same.

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8. (Withdrawn) A microreplicated shaving surface as defined by claim 1 wherein said substrate and said micro-shaving elements are formed from stainless steel.
9. (Withdrawn) A microreplicated shaving surface as defined by claim 1 wherein said substrate and said micro-shaving elements are formed from tungsten.
10. (Original) A microreplicated shaving surface as defined by claim 1 wherein each of said cutting edges are formed by electro-chemical machining.
11. (Currently Amended) A microreplicated shaving surface as defined by claim 1 wherein: ~~said substrate and said plurality of micro-shaving surfaces are unitary and made from a first material; and~~ each of said plurality of micro-shaving elements is at least partially coated with a second material.
12. (Canceled)
13. (Withdrawn) A microreplicated shaving surface as defined by claim 11 wherein said first material is ceramic and said second material is metallic.
14. (Withdrawn) A microreplicated shaving surface as defined by claim 11 wherein said first material is metallic and said second material is ceramic.
15. (Withdrawn) A method for making a microreplicated shaving surface comprising of steps of: providing a substrate; processing said substrate to form a plurality of elongated microshaving elements, each having an outwardly facing cutting edge; and sharpening said cutting edges.
16. (Withdrawn) A method as defined by claim 15 wherein said step of processing said metallic substrate to form a plurality of elongated microshaving elements included forming said microshaving elements to have a triangular cross section.

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17. (Withdrawn) A method as defined by claim 16 wherein said cutting edge is formed on an outermost edge defined by each microshaving element by electrochemical machining.

18. (Withdrawn) A method as defined by claim 15 wherein said step of processing said metallic substrate material includes embossing said substrate material to form said microshaving elements.

19. (Withdrawn) A method as defined by claim 15 wherein said step of providing a substrate includes providing an amorphous metal substrate.

20. (Withdrawn) A method as defined by claim 15 wherein said step of processing said metallic substrate material includes casting said metallic substrate material to form said microreplicated shaving surface having said plurality of elongated microshaving elements.